

# Stormwater Management Plan

## Best Management Practices

### Summary

When it rains, stormwater washes over the ground, picking up pollutants, such as oil, pesticides, metals and mud. To prevent flooding and safety issues, stormwater travels through the storm drain system and is discharged untreated into nearby lakes, streams and rivers - the ultimate source of our drinking water.

The City of Wentzville's Stormwater Management Program helps protect water quality and reduce pollutants in stormwater runoff. The 2021-2026 Stormwater Management Plan (SWMP) explains this program and methods, or Best Management Practices, to achieve Clean Water Act Phase II and state law requirements outlined in the City's Municipal Separate Storm Sewer System (MS4) Permit. The permit is divided into six Minimum Control Measures (MCMs). The plan and measurable goals are reviewed annually and updated as necessary. Learn more, or provide feedback on the City's Stormwater Management Program or plan online at [www.wentzvillemo.gov/stormwater](http://www.wentzvillemo.gov/stormwater).

### Minimum Control Measure 1

#### Public Education and Outreach on Stormwater Impacts

Goals: Educate the public and/or conduct outreach activities about the impacts of stormwater discharges on water bodies and steps the public can take to reduce pollutants in stormwater runoff. Create and/or support opportunities to get involved with the Stormwater Management Program and improve water quality. Stream Teams and volunteer litter pickup programs remove solid wastes from streets, neighborhoods and streams.

Target audiences: Residents served by the MS4, developers, construction site operators, and city employees.

Target pollutants: Litter and trash containment; sediment runoff from construction/land disturbance; and the improper disposal of household waste, yard waste, oil, grease and fluids from vehicles.

### Best Management Practices

#### Outreach & Education

1. Stormwater Website
2. Storm Drain Marking
3. Newsletter Articles
4. Educational Meetings, Seminars or Trainings
5. Targeted Education Campaign(s)

#### Involvement

1. Stream/lake or Litter Cleanup Events
2. Stormwater Speaker Series
3. Ongoing Yard Waste/Household Hazardous Waste Collection or Street Sweeping Program

## Minimum Control Measure 2

### Public Participation

Goal: Provide opportunities for public participation in the development and oversight of the MS4 Stormwater Program. The Customer Service Center hotline and 24-hour online reporting allow the public to conveniently report pollution or illicit discharges to the City's stormwater system.

### Best Management Practices

1. Customer Service Center Website & Hotline (636) 639-2121
2. Public Notices and Meetings
3. Stormwater Website
4. Stormwater Advisory Committee
5. Updates to the Governing Board

## Minimum Control Measure 3

### Illicit Discharge Detection and Elimination

Goal: Implement and enforce a program to detect and eliminate illicit discharges. The City conducts field screenings of storm sewer outfalls and responds to concerns to locate potential illicit discharges. Pollution prevention outreach and staff training raise awareness about pollution detection, the hazards of improper disposal and alternative disposal options for yard waste, recycling and household hazardous waste.

### Best Management Practices

1. Storm System Mapping
2. Dry Weather Field Screening for Stormwater Outfalls
3. Stormwater Pollution Control Ordinance
4. Illicit Discharge Detection & Enforcement (IDDE)
5. IDDE Training Program
6. Stormwater Pollution Prevention Outreach

#### Illicit discharge

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Any discharge to a municipal separate storm sewer that is not composed entirely of storm water, except discharges pursuant to a state operating permit, other than stormwater discharge permits and discharges from fire fighting activities.

## Minimum Control Measure 4

### Construction Site Stormwater Runoff Control

Goal: Develop, implement and enforce a program to reduce pollutants in stormwater runoff to the MS4 from construction activities over an acre. BMPs help with Stormwater Pollution Prevention Plans (SWPPPs) and provide guidance for developers and contractors using resources such as the Protecting Water Quality field manual and procedures to consider ways to reduce water quality impacts.

#### Best Management Practices

1. Construction Site Stormwater Runoff Control Ordinance(s)
2. Pre-Construction Site Plan Reviews (SWPPPs)
3. Construction Site Inspections & Enforcement
4. Training for Inspectors & Plan Reviewers

## Minimum Control Measure 5

### Post-Construction Stormwater Management in New Development and Redevelopment

Goal: Develop, implement and enforce a program to address the quality of long-term stormwater runoff from new development and redevelopment projects that disturb equal to and greater than one acre. Ensure that a combination of non-structural and structural controls (BMPs) are in place that have been designed and implemented to prevent or minimize water quality impacts. Engineering Design Criteria, the Comprehensive Plan and municipal codes are adopted to help direct development and conserve key resources such as riparian areas, open space and tree canopy that help reduce runoff and filter pollutants before reaching streams.

#### Best Management Practices

1. Post-Construction Stormwater Runoff Ordinance(s) (Design Standards & Structural Controls)
2. Planned Growth Ordinances and Policies (Non-Structural Controls)
3. Pre-Construction Site Plan Reviews (Water Quality BMPs)
4. BMP Operations & Maintenance Plans & Agreements
5. Water Quality Structural and Non-Structural BMP Inspections & Enforcement
6. Storm System Mapping
7. Post-Construction Runoff Control Training for Inspectors & Plan Reviewers

## Minimum Control Measure 6

### Pollution Prevention/Good Housekeeping for Municipal Operations

Goal: implement an Operation and Maintenance (O&M) Program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations.

Target pollutants: Sediment; litter and trash containment; oil, grease and fluids from vehicles; sodium chloride (road salt); and fertilizers and pesticides.

### Best Management Practices

1. O&M Employee Training
2. O&M Program
3. Municipal Facility Inspections & Maintenance
4. Flood Management Projects
5. Road Salt/Brine/Deicer Alternatives
6. Street Sweeping

## CH<sub>2</sub>OOSE to keep our water clean!

The Stormwater Management Program is the City of Wentzville's ongoing commitment to manage runoff and comply with state and federal laws to improve our community's water quality. Join us and do your part to keep Wentzville's waterways healthy for people, fish, and wildlife. And remember...only rain should go down storm drains.

